2641

OIPE JC#39
JUN 18 2001
PATENT & TRADEMARK OFFICE

| TRANSMITTAL LETTER | | | Case No. 10508/18 |
|---|---|---|---|
| Serial No.<br>09/883,002 | Filing Date<br>September 15, 2000 | Examiner<br>To Be Assigned | Group Art Unit<br>2641 |
| Inventor(s)<br>Huan-Yu Su and Yang Gao | | | |
| Title of Invention<br>SYSTEM FOR SPEECH ENCODING HAVING AN ADAPTIVE ENCODING ARRANGEMENT | | | |

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TO THE COMMISSIONER FOR PATENTS

Transmitted herewith is Supplemental Information Disclosure Statement; Form PTO-1449; return-receipt postcard.

☐ Small entity status of this application under 37 CFR § 1.27 has been established by verified statement previously submitted.

☐ A verified statement to establish small entity status under 37 CFR §§ 1.9 and 1.27 is enclosed.

☐ Petition for a _____month extension of time.

☐ No additional fee is required.

☐ The fee has been calculated as shown below:

| | Claims Remaining After Amendment | | Highest No. Previously Paid For | Present Extra | Small Entity Rate | Small Entity Add'l Fee | or | Other Than Small Entity Rate | Other Than Small Entity Add'l Fee |
|---|---|---|---|---|---|---|---|---|---|
| Total | | Minus | | | x $9 = | | | x $18 = | |
| Indep. | | Minus | | | x 40 = | | | x $80 = | |
| First Presentation of Multiple Dep. Claim | | | | | + $135 = | | | + $270 = | |
| | | | | | Total add'l fee | $ | | Total add'l fee | $ |

☐ Please charge Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE) in the amount of $_____. A duplicate copy of this sheet is enclosed.

☐ A check in the amount of $_____ to cover the filing fee is enclosed.

☒ The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this communication or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

☒ I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is timely filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Darin E. Bartholomew
Registration No. 36,444
Attorney for Applicant

BRINKS HOFER GILSON & LIONE
P.O. BOX 10395
CHICAGO, ILLINOIS 60610
(312) 321-4200

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on June 14, 2001

Date: June 14, 2001 Signature:

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**CERTIFICATE OF MAILING**

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June 14, 2001
Date of Deposit

Darin E. Bartholomew, Reg. No. 36,444
Name of Applicant, Assignee or
Registered Representative

Signature

June 14, 2001
Date of Signature

Our Case No.: 10508-18/98RSS384-CIP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Huan-Yu Su et al.

Serial No.: 09/663,002

Filing Date: September 15, 2000

For: SYSTEM FOR SPEECH ENCODING HAVING AN ADAPTIVE ENCODING ARRANGEMENT

Examiner: To Be Assigned

Group Art Unit No.: 2641

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this supplemental Information Disclosure Statement be entered and the documents listed below and on the attached Form PTO-1449 be considered by the Examiner and made of record.

The reference now cited are as the follows:

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## FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY |
|---|---|---|
| 92/22891 | 12/23/92 | WIPO |
| 95/28824 | 11/02/95 | WIPO |

**OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)**

| |
|---|
| Kazunori Ozawa and Taskashi Araseki, "*Multipulse Excited Speech Coding Utilizing Pitch Information at Rates Between 9.6 and 4.8 kbits/s*", Systems and Computers in Japan, Vol. 21 No. 13, 1990 |
| S. Ghaemmaghami and M. Deriche, *"A New Approach to Efficient Interpolative Determination of Pitch Contour Using Temporal Decomposition"*, IEEE Proceedings of Digital Processing Application, 1996, pp. 125-130 |
| Roch Lefebvre and Claude LaFlamme, *"Shaping Coding Noise With Frequency-Domain Companding"*, IEEE publication, 1997, pp 61-62 |
| W. Bastiaan Klejian, Ravi P. Ramachandran and Peter Kroon, *"Generalized Analysis-By-Synthesis Coding and Its Application To Pitch Prediction"*, IEEE, 1992, pp 1-337 - 1-340 |
| W. Bastiaan Klejian, Ravi P. Ramachandran and Peter Kroon, *"Interpolation of the Pitch-Predictor Parameters in Analysis-by-Synthesis Speech Coders"*, IEEE Transactions on Speech and Audio Processing, Vol. 2, No. 1, Part 1, 1994, pp 42-54 |

In accordance with 37 C.F.R. § 1.97(g),(h), this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This Supplemental Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with filing of this Supplemental Information Disclosure Statement. However, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these material, the Commissioner is hereby

authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925.

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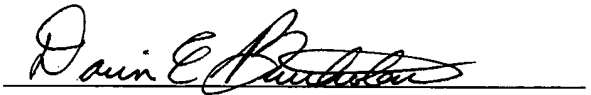
This application is a continuation-in-part application of U.S. Serial No. 09/154,660, filed Sept. 18, 1998, and is relied upon for an earlier filing dated under 35 U.S.C. § 120. In accordance with Rule 37 C.F.R. § 1.98(d) only copies of documents not previously cited and submitted to the Patent and Trademark Office in the prior application are enclosed.

Applicants respectfully request that the listed document be made of record in the present case.

Respectfully submitted,



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